

Benefits of Transit

and the Transit 2030 Plan

What are the benefits of Alternative-Fueled Transportation?

- **Energy Efficient** —They meet or exceed energy needs
- **Environmentally Friendly** —They pollute the same or less and can be renewable
- **Cost Effective** —They cost the same or less than regular fuel

What other transportation has
similar benefits?

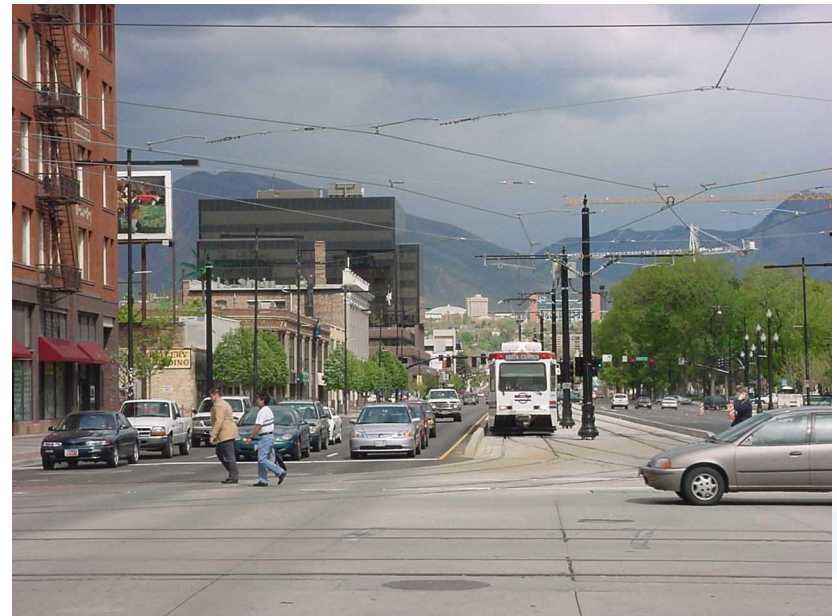
Transit

(a.k.a.: public
transportation)



What Is Transit?

Transit is a mode of transportation that focuses on moving large groups of people to common destinations using buses, trains, vans and carpooling.



How does Transit Compare with Alternative Fueled Transportation?

- **Environmentally Friendly**—light rail is electrically powered, Commuter Rail is powered by efficient diesel engine
 - “There continues to be significant environmental benefits attributable to the use of the CTrain, noted Robert Weber, vice president, Transportation Systems for Siemens Canada. “Through the innovative Ride the Wind! Program, zero-emissions wind power is being purchased to power the CTrain and, considering all the factors, use of Calgary Transit reduces the annual production of greenhouse gases by 176,000 tons.” -- Oliver Hauck, president and CEO of STS, from a news release on the Siemens Transportation website
<http://www.sts.siemens.com/News/2004/122004.html>



How does Transit Compare with Alternative Fueled Transportation?

- **Energy Efficient**— light rail carries hundreds of people per train using less energy per rider
- Cars use 5,255 btu per mile
- Light Rail uses 1,152 btu per mile
- Source: *Conserving Energy and Preserving the Environment: The Role of Public Transportation*, Robert J. Shapiro, Kevin a. Hassett, and Frank S. Arnold, 2002.
- <http://www.apta.com/research/stats/energy/efficiency.cfm>



How does Transit Compare with Alternative Fueled Transportation?

- Cost effective —
 - Capital Costs for infrastructure
 - Cheaper for LRT to add capacity than Highway
 - Operation Costs
 - Light Rail \$0.25 per person per mile
 - Regular Auto \$0.48 per person per mile



Transit has Challenges

- Wait time
- Travel time
- Walk time



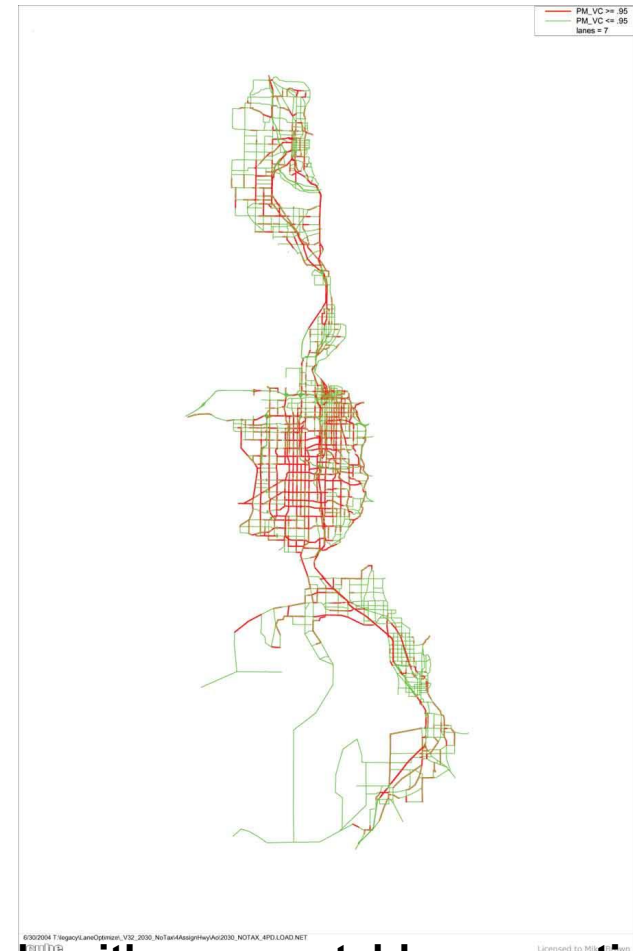
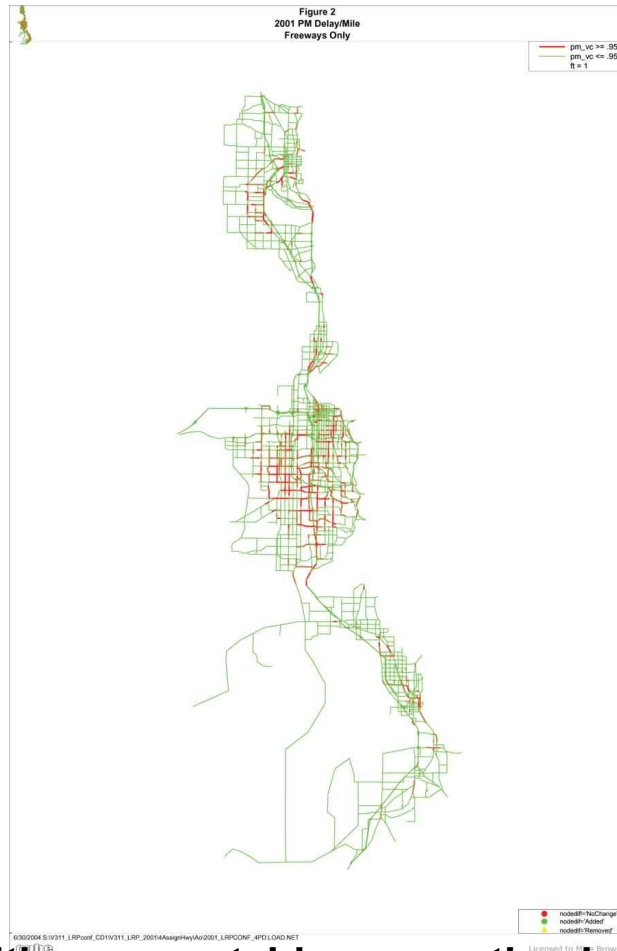
UTA Plans to Meet Challenges

- Wait time
- Travel time
- Walk time

Transit 2030 Plan

Need for the Transit 2030 Plan

Result: six-fold increase in daily hours of travel delay



Roads with unacceptable congestion in 2001

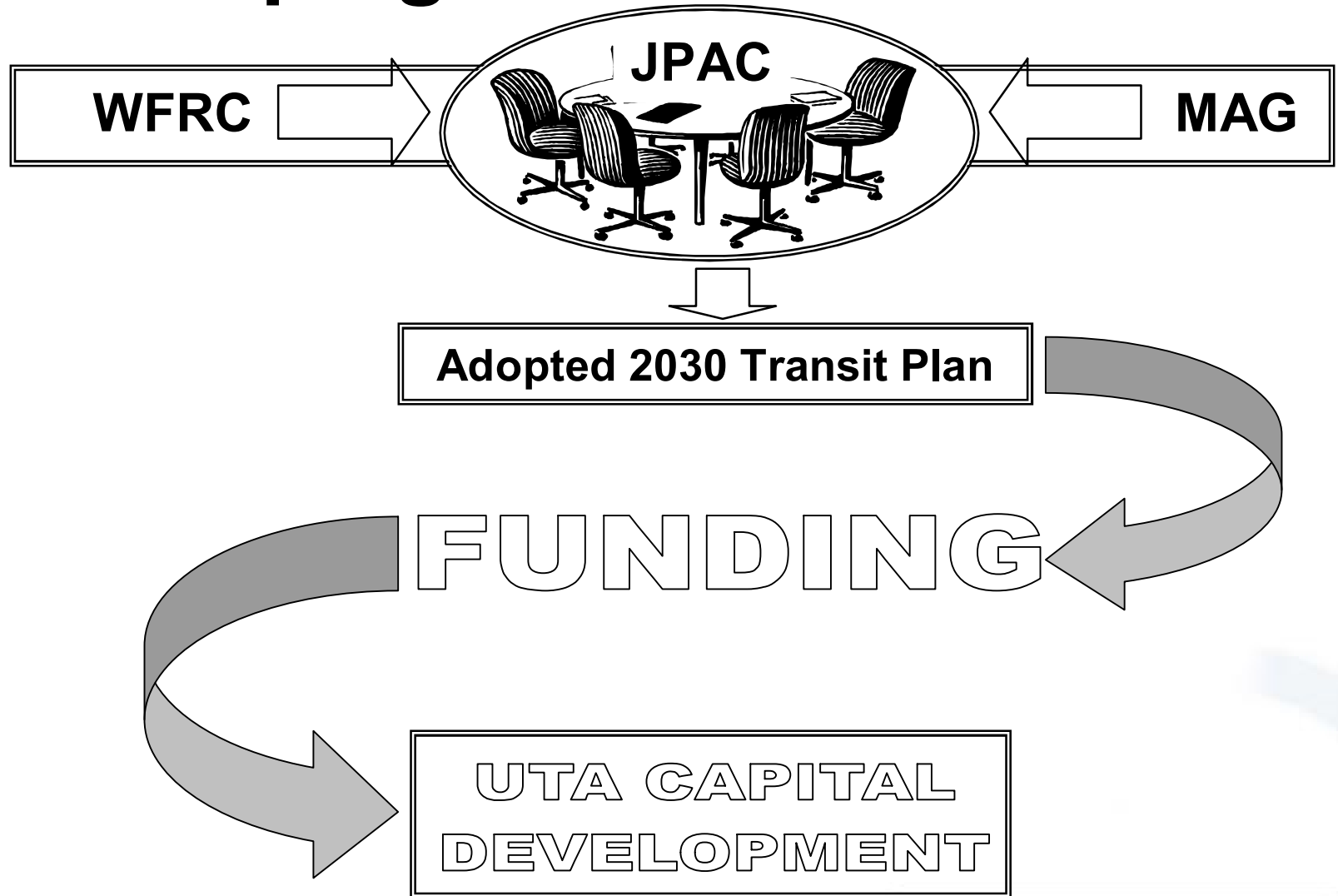
Roads with unacceptable congestion in 2030
(under current funding)

Transit is a key part of the mobility solution



- TRAX success paved the way
- UTA ridership is growing faster than population and VMT
- Polls show people want transit choices
- 60% of Wasatch Front residents used transit for trips last year

Developing the Transit 2030 Plan



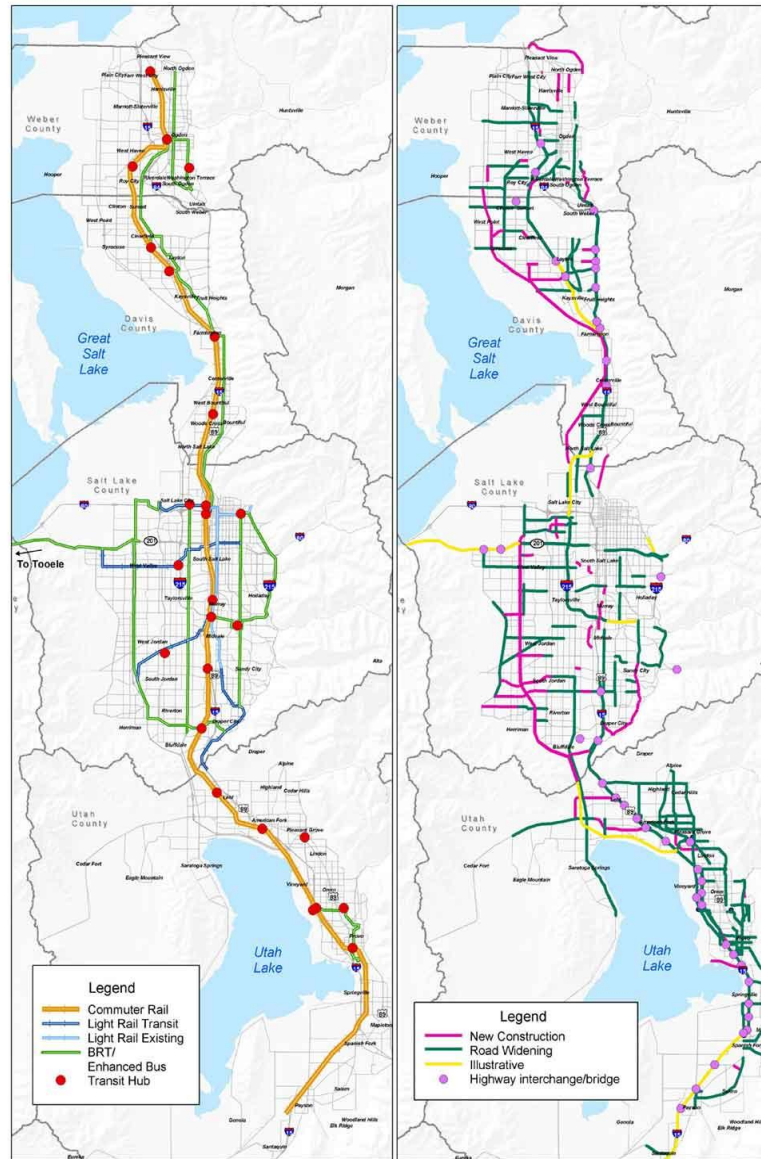
The Transit 2030 Plan

Adopted plan includes:

- Commuter rail in all 4 counties – 120+ miles
- Light rail extensions in 7 new corridors – 60 miles total LRT
- Bus rapid transit in 12 corridors – 80+ miles of BRT
- Increases in bus service
- Integrated multi-modal system
 - Real choices for people's daily travel

The Transit 2030 Plan

Wasatch Front Area Long Range Transit and Highway Projects



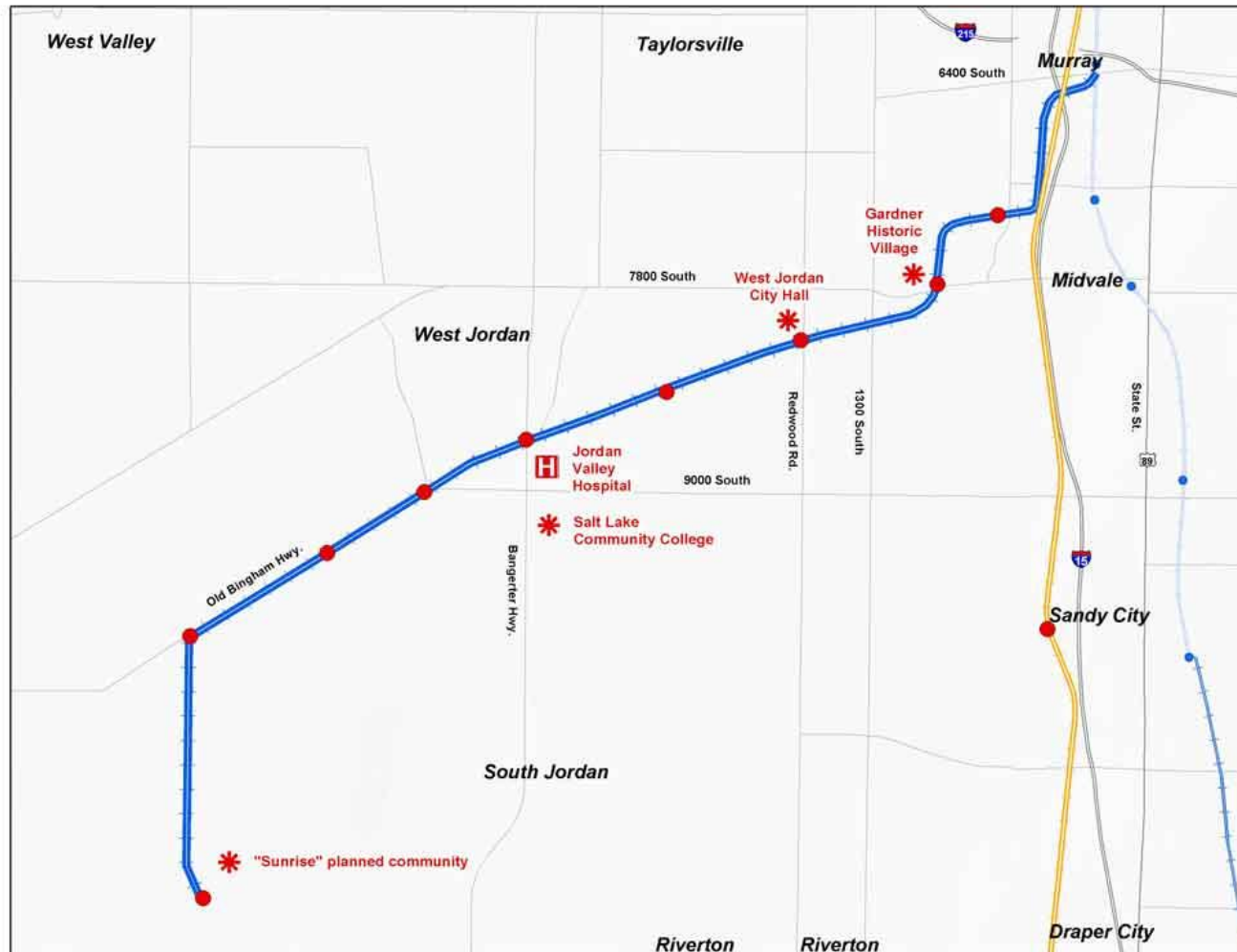
The Transit 2030 Plan

Commuter Rail – Payson to Brigham City



The Transit 2030 Plan – Key Projects

Mid-Jordan LRT



Benefits of Transit 2030 Plan

Non quantifiable benefits:

- Improved mobility for disabled, elderly, those with no car available
- Better travel choices for everyone
- Improved community livability
- Regional economic competitiveness
- Energy savings



Transit has similar benefits as Alternative Fueled Transportation

- Energy Efficient
- Environmentally Friendly
- Cost Effective

Information & Statistics

- Websites:
 - www.apta.com
 - www.fta.dot.gov
 - www.rideuta.com